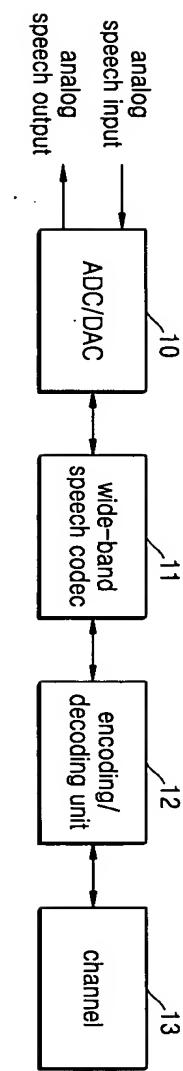


FIG. 1



Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800
Title: APPARATUS FOR CODING WIDE-BAND LOW BIT RATE
SPEECH SIGNAL
1st Named Inventor: Ho Sang Sung
Express Mail No.: EV339911712US Docket No.: 2013P152
Sheet: 2 of 8

FIG. 2

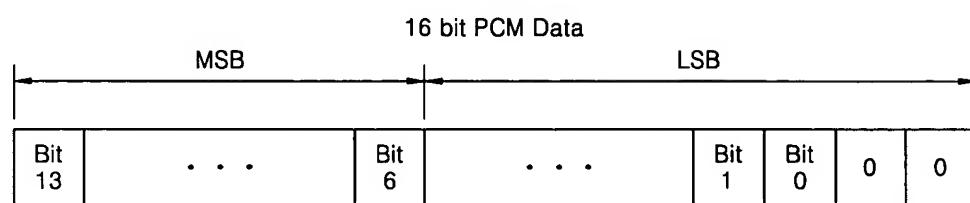


FIG. 3

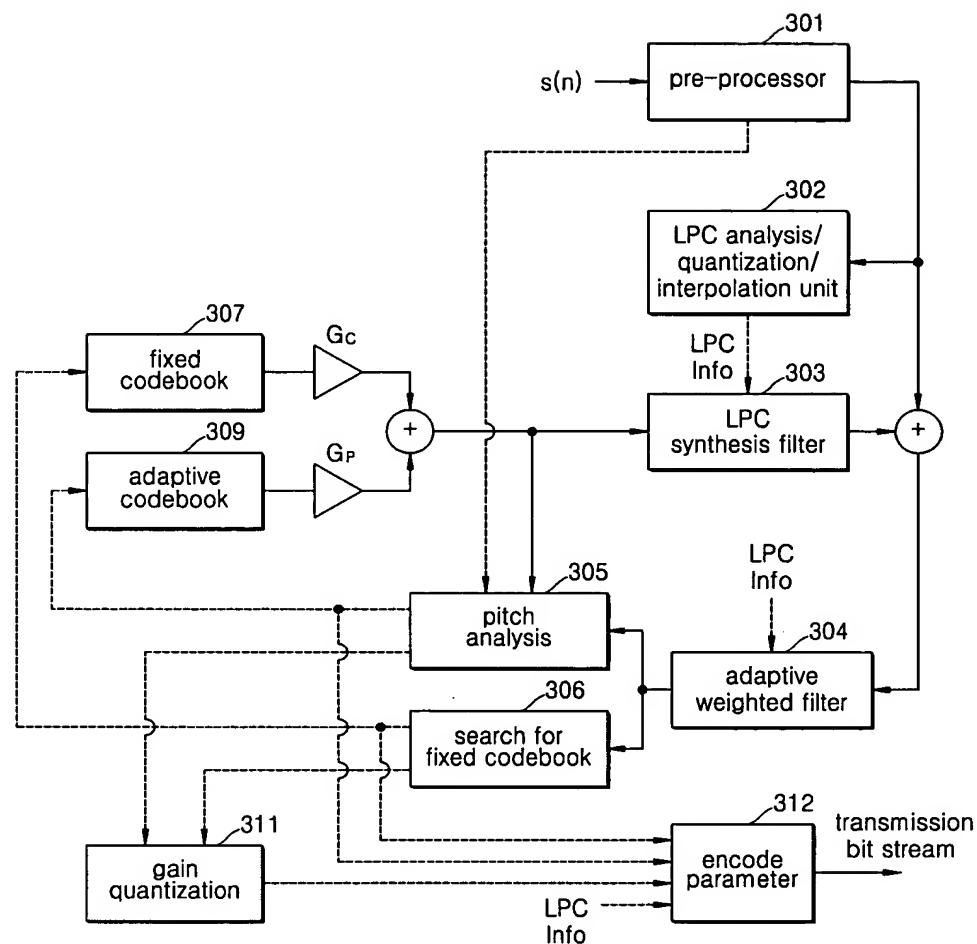


FIG. 4

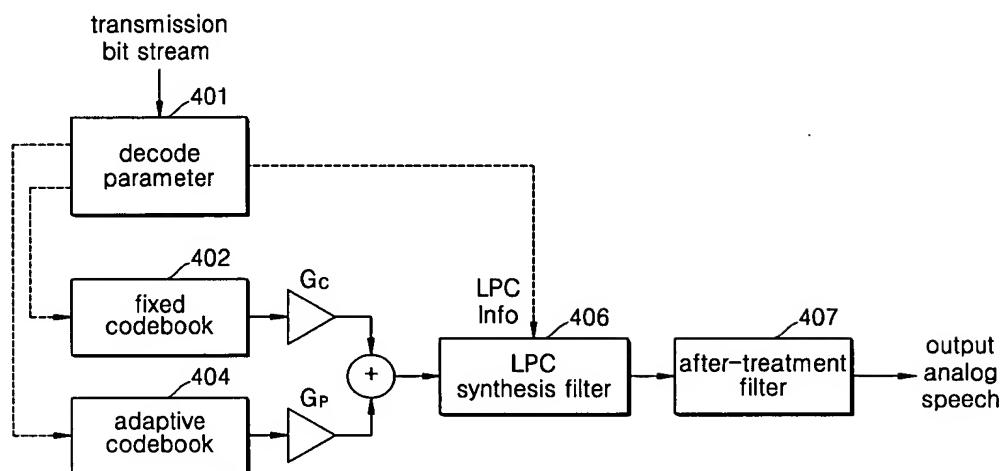


FIG. 5

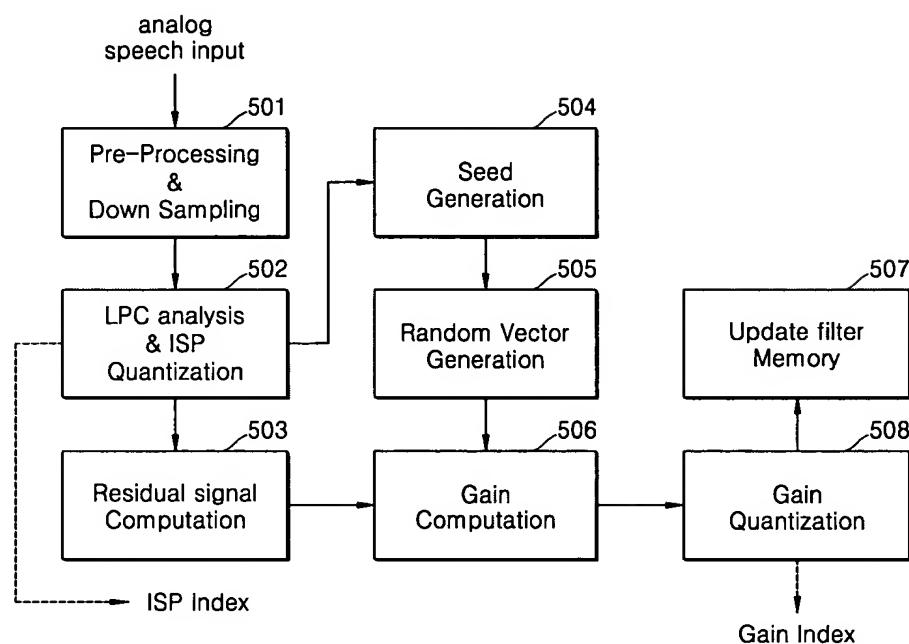


FIG. 6

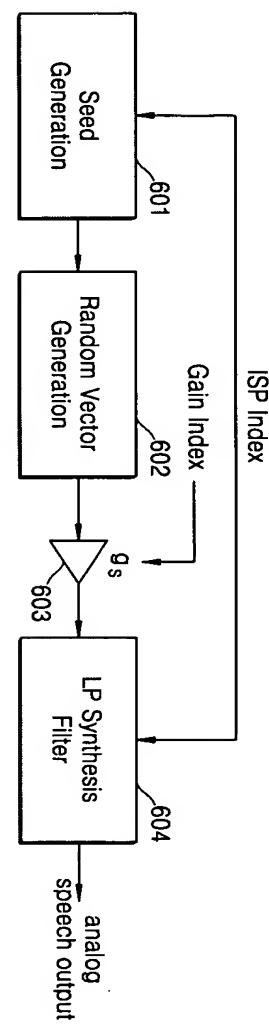


FIG. 7

Rate	Parameter	2^1 subframe	2^d subframe	Total per frame
1.0 kbps	ISP			14 bit
	Gain	3	3	6 bit
	Total			20bit

FIG. 8

```
tmp=lpc_ind[0]; -----①
tmp=lpc_ind[1]; -----②

tmp0=tmp0<<8; -----③
seed0=(Word16)(tmp0^tmp1); -----④

tmp1=tmp1<<8; -----⑤
seed 1=(Word16)(tmp0^tmp1); -----⑥

if(seed1>seed0) -----⑦
    seed0=seed1; -----⑧

return seed0;
```

FIG. 9

